

## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

1           1. (Currently amended) A method to facilitate suspending threads in a  
2 platform-independent virtual machine implemented on an operating system that  
3 lacks a global mechanism for suspending threads, comprising:  
4           ~~executing-scheduling a thread requiring to execute that requires other~~  
5 threads to be suspended during execution;  
6           changing a scheduling policy for the thread, wherein changing the  
7 scheduling policy for the thread includes changing the scheduling policy from  
8 round-robin to first-in, first-out; and  
9           raising a priority of the thread to a highest available priority, whereby  
10 changing the scheduling policy and raising the priority of the thread causes the  
11 thread to run to completion while other threads do not run.

1           2. (Original) The method of claim 1, further comprising:  
2 upon completion of the thread,  
3           reducing the priority of the thread to an assigned priority;  
4           and  
5           returning the scheduling policy of the thread to an assigned  
6           scheduling policy.

1           3. (Original) The method of claim 1, wherein the thread requiring other  
2 threads to be suspended includes a garbage collection thread.

1 4 (Canceled).

1 5. (Original) The method of claim 1, wherein the operating system that  
2 lacks the global mechanism for suspending threads includes POSIX.

1 6. (Original) The method of claim 1, wherein the platform-independent  
2 virtual machine includes a JAVA VIRTUAL MACHINE™.

1 7. (Original) The method of claim 1, further comprising performing a  
2 garbage collection with the thread.

1 8. (Currently amended) A computer-readable storage medium storing  
2 instructions that when executed by a computer cause the computer to perform a  
3 method to facilitate suspending threads in a platform-independent virtual machine  
4 implemented on an operating system that lacks a global mechanism for  
5 suspending threads, the method comprising:

6 ~~executing scheduling a thread requiring to execute that requires other~~  
7 ~~threads to be suspended during execution;~~

8 ~~changing a scheduling policy for the thread, wherein changing the~~  
9 ~~scheduling policy for the thread includes changing the scheduling policy from~~  
10 ~~round-robin to first-in, first-out; and~~

11 ~~raising a priority of the thread to a highest available priority, whereby~~  
12 ~~changing the scheduling policy and raising the priority of the thread causes the~~  
13 ~~thread to run to completion while other threads do not run.~~

1 9. (Original) The computer-readable storage medium of claim 8, the  
2 method further comprising:

3 upon completion of the thread,

4                               reducing the priority of the thread to an assigned priority;  
5                               and  
6                               returning the scheduling policy of the thread to an assigned  
7                               scheduling policy.

1               10. (Original) The computer-readable storage medium of claim 8, wherein  
2 the thread requiring other threads to be suspended includes a garbage collection  
3 thread.

1               11 (Canceled).

1               12. (Original) The computer-readable storage medium of claim 8, wherein  
2 the operating system that lacks the global mechanism for suspending threads  
3 includes POSIX.

1               13. (Original) The computer-readable storage medium of claim 8, wherein  
2 the platform-independent virtual machine includes a JAVA VIRTUAL  
3 MACHINE™.

1               14. (Original) The computer-readable storage medium of claim 8, the  
2 method further comprising performing a garbage collection with the thread.

1               15. (Currently amended) An apparatus that facilitates suspending threads  
2 in a platform-independent virtual machine implemented on an operating system  
3 that lacks a global mechanism for suspending threads, comprising:

4               ~~an executing a scheduling~~ mechanism that is configured to ~~execute~~  
5 schedule a thread requiring to execute that requires other threads to be suspended  
6 during execution;

7 a changing mechanism that is configured to change a scheduling policy for  
8 the thread, wherein changing the scheduling policy for the thread includes  
9 changing the scheduling policy from round-robin to first-in, first-out; and  
10 a priority raising mechanism that is configured to raise a priority of the  
11 thread to a highest available priority, whereby changing the scheduling policy and  
12 raising the priority of the thread causes the thread to run to completion while other  
13 threads do not run.

1 16. (Original) The apparatus of claim 15, further comprising:  
2 a priority reducing mechanism that is configured to reduce the priority of  
3 the thread to an assigned priority; and  
4 a returning mechanism that is configured to return the scheduling policy of  
5 the thread to an assigned scheduling policy.

1 17. (Original) The apparatus of claim 15, wherein the thread requiring  
2 other threads to be suspended includes a garbage collection thread.

1 18 (Canceled).

1 19. (Original) The apparatus of claim 15, wherein the operating system  
2 that lacks the global mechanism for suspending threads includes POSIX.

1 20. (Original) The apparatus of claim 15, wherein the platform-  
2 independent virtual machine includes a JAVA VIRTUAL MACHINE™.

1 21. (Original) The apparatus of claim 15, further comprising a garbage  
2 collection mechanism that is configured to perform a garbage collection with the  
3 thread.